



POLICY TITLE	POLICY TO GOVERN SAMPLING AND ANALYSIS REQUIREMENTS FOR MUNICIPAL AND PRIVATE SEWAGE TREATMENT WORKS (LIQUID WASTE STREAMS ONLY)	NO. 08-06-01
<u>Legislative Authority</u>		
the Ontario Water Resources Act		
<u>Statement of Principles</u>		
<p>This policy describes the Ministry of the Environment sampling and analysis requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams) for the purpose of assessing the works' performance and compliance with effluent requirements prescribed under Ministry Policy No. 08-01, "Levels of Treatment for Municipal and Private Sewage Treatment Works Discharging to Surface Waters." This policy applies to sewage works operated by municipalities or others, the main function of which is to treat human waste.</p>		
<p>Implementation of this Policy is in line with provisions in Section 32 of the Ontario Water Resources Act (R.S.O. 1980) and the Canada-Ontario Agreement Respecting Great Lakes Water Quality, Schedule B-1(a).</p>		
<p>All Guidelines referred to in this Policy are available from Water Resources Branch.</p>		
1. <u>Sampling Locations</u>	<p>The Ministry of the Environment requires that samples, from the liquid waste streams of municipal and private sewage treatment works, be taken and analysed regularly, to permit evaluation of treatment works' performance and compliance with effluent requirements.</p>	
April 5, 1983		
<u>Point of Contact</u>	Supervisor, Municipal-Industrial Strategy for Abatement - Municipal Section, Water Resources Branch	
<u>Effective Date</u>	March 24, 1983	

Samples must be taken of raw sewage, final effluent and, if applicable, effluent from intermediate treatment processes (e.g., primary effluent, or, if tertiary treatment is provided, secondary effluent).

Where the treatment works are divided into separate process flow trains, the above samples must be taken from each plant section. If the raw sewage treated by each plant section is identical in quality, however, only one raw sewage sample represents the combined effluent produced by the plant sections, only one effluent sample will be necessary.

2. Routine Sampling and Analysis Program

Samples must be taken and analyzed routinely at least once per month during discharge periods. Lagoons operating on a fill-and-draw basis must be sampled after treatment prior to discharge for checking compliance against critical parameter criteria, for all required effluent criteria on the final day of discharge and at least once more during the discharge period.

Samples must be analysed for at least BOD₅, suspended solids, ammonia plus ammonium nitrogen (for effluent streams only) and total phosphorus.

3. Special Sampling and Analysis Program

Special sampling and analysis requirements, possibly including additional analytical parameters, increased frequency of sample collection and analysis, in-plant analysis requirements and more stringent compositing procedures, etc., may be prescribed by the Ministry's Regions in consultation with other relevant Ministry Branches, on a case-by-case basis, for sewage treatment works discharging to sensitive receiving waters. Sampling and analysis requirements, less stringent than those required under the Routine Sampling and Analysis Program, may also be considered in special cases, such as for small sewage treatment works discharging to non-critical receivers.

Special Sampling Programs are to be developed in accordance with the Guidelines listed below:

(a) Guidelines for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only).

4. Sampling and Analysis for Operations' Control

Sampling and analysis requirements necessary for monitoring the proper control of day-to-day operation of sewage treatment works will normally exceed the above policy requirements. Sampling and analysis requirements for proper operational control purposes will be the responsibility of the operating authority.

5. Analyst's Qualifications

Analytical work must be carried out by properly trained personnel using standard techniques and equipment.

6. Sampling and Analysis Procedures

All sampling and analysis operations, including sample collection, preservation and submission, laboratory requirements and analysis results reporting shall be performed in accordance with Guidelines which are listed below:

(a) Guidelines for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only).

7. Sampling and Analysis Responsibility

Overall responsibility for carrying out sampling and analysis under this Policy, rests with the Works' operating authority.

Although Ministry Laboratories will currently undertake the analytical work for routine sampling programs and may currently do so for special sampling programs, this service could be discontinued in the future.

08-06-04

8. Deviation from Policies
Guidelines

Any deviations from the policy stipulations listed in Section 1.0 - 7.0 above and their related Guidelines must receive the concurrence of the Director, Water Resources Branch.

April 5, 1983